ELSEVIER

Molecular Basis of Disease

Vol. 1272, 1995

BBA Biochimica et Biophysica Acta

Cumulative Contents

Information for Contributors vii

Review

McArdle's disease – muscle glycogen phosphorylase deficiency
C. Bartram, R.H.T. Edwards and R.J. Beynon (UK) 1

Regular Papers

Inhibition of oxidative phosphorylation by palmitoyl-CoA in digitonin permeabilized fibroblasts: implications for long-chain fatty acid β-oxidation disorders
F.V. Ventura, J.P.N. Ruiter, L. IJlst, I.T. Almeida and R.J.A. Wanders (The Netherlands, Portugal) 14

Study of LDL and acetylated LDL endocytosis by mononuclear cells in HIV infection
L. Juompan, J. Puel, G.J. Fournié and H. Benoist (France) 21

Detection of nitric oxide production in mice by spin-trapping electron paramagnetic resonance spectroscopy
A.M. Komarov and C.-S. Lai (USA) 29

Influence of monosaccharide derivatives on liver cell glycosaminoglycan synthesis: 3-deoxy-D-*xylo*-hexose (3-deoxy-D-galactose) and methyl (methyl 4-chloro-4-deoxy-β-D-galactopyranosid)uronate
S.S. Thomas, J. Plenkiewicz, E.R. Ison, M. Bols, W. Zou, W.A. Szarek and R. Kisilevsky (Canada) 37

Inhibition of bile acid conjugation by cyclosporin A
D.A. Vessey and M. Kelley (USA) 49

Evidence for the Maillard reaction in rat lung collagen and its relationship with solubility and age
M.J. Bellmunt, M. Portero, R. Pamplona, L. Cosso, P. Odetti and J. Prat (Spain, Italy) 53

Low-density lipoprotein binding affinity of arterial chondroitin sulfate proteoglycan variants modulates cholesteryl ester accumulation in macrophages
S.R. Srinivasan, J.-H. Xu, P. Vijayagopal, B. Radhakrishnamurthy and G.S. Berenson (USA) 61

Publisher's Note iv

Rapid Report

Plasma cholesterol esterase level is a determinant for an atherogenic lipoprotein profile in normolipidemic human subjects
J. Brodt-Eppley, P. White, S. Jenkins and D.Y. Hui (USA) 69

Regular Papers

Immunological detection of glycated proteins in normal and streptozotocin-induced diabetic rats using anti hexitol-lysine IgG
T. Myint, S. Hoshi, T. Ookawara, N. Miyazawa, K. Suzuki and N. Taniguchi (Japan) 73

Cholesterol sulfate is not degraded but does not accumulate in Epstein–Barr virus-transformed lymphoid cells from patients with X-linked ichthyosis
M.-C. Tempesta, R. Salvayre, J.-L. Bonafé and T. Levade (France) 80

Induction of hepatic CYP1A2 by the oral administration of caffeine to rats: lack of association with the Ah locus
E.O. Ayalogu, J. Snelling, D.F.V. Lewis, S. Talwar, M.N. Clifford and C. Ioannides (UK) 89

Correlation between rat liver regeneration and mitochondrial energy metabolism
F. Guerrieri, L. Muolo, T. Cocco, G. Capozza, N. Turturro, P. Cantatore and S. Papa (Italy) 95

Atherosclerosis alters the composition, structure and function of arterial smooth muscle cell plasma membranes
M. Chen, R.P. Mason and T.N. Tulenko (USA) 101

Cirrhosis of the human liver: an in vitro ^{31}P nuclear magnetic resonance study
S.D. Taylor-Robinson, E.L. Thomas, J. Sargentoni, C.D. Marcus, B.R. Davidson and J.D. Bell (UK) 113

The involvement of low-density lipoprotein in hemin transport potentiates peroxidative damage
Y.I. Miller, Y. Felikman and N. Shaklai (Israel) 119

N-acetylgalactosamine-4-sulfatase: identification of four new mutations within the conserved sulfatase region causing mucopolysaccharidosis type VI
C.M. Simonaro and E.H. Schuchman (USA) 129

ELSEVIER

Molecular Basis of Disease

Vol. 1272, 1995

BBA Biochimica et Biophysica Acta

Cumulative Contents

Information for Contributors vii

Review

McArdle's disease – muscle glycogen phosphorylase deficiency
C. Bartram, R.H.T. Edwards and R.J. Beynon (UK) 1

Regular Papers

Inhibition of oxidative phosphorylation by palmitoyl-CoA in digitonin permeabilized fibroblasts: implications for long-chain fatty acid β-oxidation disorders
F.V. Ventura, J.P.N. Ruiter, L. IJlst, I.T. Almeida and R.J.A. Wanders (The Netherlands, Portugal) 14

Study of LDL and acetylated LDL endocytosis by mononuclear cells in HIV infection
L. Juompan, J. Puel, G.J. Fournié and H. Benoist (France) 21

Detection of nitric oxide production in mice by spin-trapping electron paramagnetic resonance spectroscopy
A.M. Komarov and C.-S. Lai (USA) 29

Influence of monosaccharide derivatives on liver cell glycosaminoglycan synthesis: 3-deoxy-D-*xylo*-hexose (3-deoxy-D-galactose) and methyl (methyl 4-chloro-4-deoxy-β-D-galactopyranosid)uronate
S.S. Thomas, J. Plenkiewicz, E.R. Ison, M. Bols, W. Zou, W.A. Szarek and R. Kisilevsky (Canada) 37

Inhibition of bile acid conjugation by cyclosporin A
D.A. Vessey and M. Kelley (USA) 49

Evidence for the Maillard reaction in rat lung collagen and its relationship with solubility and age
M.J. Bellmunt, M. Portero, R. Pamplona, L. Cosso, P. Odetti and J. Prat (Spain, Italy) 53

Low-density lipoprotein binding affinity of arterial chondroitin sulfate proteoglycan variants modulates cholesteryl ester accumulation in macrophages
S.R. Srinivasan, J.-H. Xu, P. Vijayagopal, B. Radhakrishnamurthy and G.S. Berenson (USA) 61

Publisher's Note iv

Rapid Report

Plasma cholesterol esterase level is a determinant for an atherogenic lipoprotein profile in normolipidemic human subjects
J. Brodt-Eppley, P. White, S. Jenkins and D.Y. Hui (USA) 69

Regular Papers

Immunological detection of glycated proteins in normal and streptozotocin-induced diabetic rats using anti hexitol-lysine IgG
T. Myint, S. Hoshi, T. Ookawara, N. Miyazawa, K. Suzuki and N. Taniguchi (Japan) 73

Cholesterol sulfate is not degraded but does not accumulate in Epstein–Barr virus-transformed lymphoid cells from patients with X-linked ichthyosis
M.-C. Tempesta, R. Salvayre, J.-L. Bonafé and T. Levade (France) 80

Induction of hepatic CYP1A2 by the oral administration of caffeine to rats: lack of association with the Ah locus
E.O. Ayalogu, J. Snelling, D.F.V. Lewis, S. Talwar, M.N. Clifford and C. Ioannides (UK) 89

Correlation between rat liver regeneration and mitochondrial energy metabolism
F. Guerrieri, L. Muolo, T. Cocco, G. Capozza, N. Turturro, P. Cantatore and S. Papa (Italy) 95

Atherosclerosis alters the composition, structure and function of arterial smooth muscle cell plasma membranes
M. Chen, R.P. Mason and T.N. Tulenko (USA) 101

Cirrhosis of the human liver: an in vitro ^{31}P nuclear magnetic resonance study
S.D. Taylor-Robinson, E.L. Thomas, J. Sargentoni, C.D. Marcus, B.R. Davidson and J.D. Bell (UK) 113

The involvement of low-density lipoprotein in hemin transport potentiates peroxidative damage
Y.I. Miller, Y. Felikman and N. Shaklai (Israel) 119

N-acetylgalactosamine-4-sulfatase: identification of four new mutations within the conserved sulfatase region causing mucopolysaccharidosis type VI
C.M. Simonaro and E.H. Schuchman (USA) 129

NMR studies of the effect of Mg^{2+} on post-ischemic recovery of ATP and intracellular sodium in perfused kidney
T.L. Dowd and R.K. Gupta (USA) 133

Immunochemical detection of protein adducts in cultured human hepatocytes exposed to diclofenac
M.L. Gil, M.C. Ramirez, M.C. Terencio and J.V. Castell (Spain) 140

Ubiquitin fusion proteins are overexpressed in colon cancer but not in gastric cancer
G.F. Barnard, M. Mori, R.J. Staniunas, N.A. Begum, S. Bao, M. Puder, J. Cobb, K.L. Redman, G.D. Steele Jr. and L.B. Chen (USA) 147

Control and kinetic analysis of ischemia-damaged heart mitochondria: which parts of the oxidative phosphorylation system are affected by ischemia?
V. Borutaite, V. Mildaziene, G.C. Brown and M.D. Brand (Lithuania, UK) 154

Molecular mechanism of the dysfunction of protein $S_{Tokushima}$ ($Lys^{155} \rightarrow Glu$) for the regulation of the blood coagulation system
T. Hayashi, J. Nishioka and K. Suzuki (Japan) 159

Molecular analysis of holocarboxylase synthetase deficiency: a missense mutation and a single base deletion are predominant in Japanese patients
Y. Aoki, Y. Suzuki, O. Sakamoto, X. Li, K. Takahashi, A. Ohtake, R. Sakuta, T. Ohura, S. Miyabayashi and K. Narisawa (Japan) 168

Hydrogen peroxide metabolism during peroxisome proliferation by fenofibrate
S.L. Arnaiz, M. Travacio, S. Llesuy and A. Boveris (Argentina) 175

Laser-excited fluorescence studies of mitochondrial function in saponin-skinned skeletal muscle fibers of patients with chronic progressive external ophthalmoplegia
K. Winkler, A.V. Kuznetsov, H. Lins, E. Kirches, P. Von Bossanyi, K. Dietzmann, B. Frank, H. Feistner and W.S. Kunz (Germany) 181

Scavenging of neutrophil-derived superoxide anion by 1-hydroxyphenazine, a phenazine derivative associated with chronic *Pseudomonas aeruginosa* infection: relevance to cystic fibrosis
M. Muller (Australia) 185

Assembly of mitochondrial ATP synthase in cultured human cells: implications for mitochondrial diseases
L.G.J. Nijtmans, P. Klement, J. Houštěk and C. Van den Bogert (The Netherlands, Czech Republic) 190

19-Allylaminoherbimycin A, an analog of herbimycin A that is stable against treatment with thiol compounds or granulocyte-macrophage colony-stimulating factor in human leukemia cells
M. Makishima, Y. Yamamoto-Yamaguchi and Y. Honma (Japan) 199

Cumulative Contents, Vol. 1272 206

Author Index 208